

CLAIMS

1. Insecticidal composition comprising:

(i) an active principle being a component with insecticidal activity and/or a component with insect growth regulator activity

5 (ii) a component able to synergistically enhance the activity of the active principle, characterised in that the components (i) and (ii) are jointly complexed with cyclodextrin.

2. Composition as claimed in claim 1, wherein the cyclodextrin is chosen from α , β , γ cyclodextrin and their derivatives.

10 3. Composition as claimed in claims 1-2, wherein the insecticide is a substance belonging to the pyrethroid class.

4. Composition as claimed in claims 1-3, wherein the quantity of insecticide relative to cyclodextrin is between 5% and 40% (weight/weight).

15 5. Composition as claimed in claims 1-4, wherein the quantity of growth regulator relative to cyclodextrin is between 0.01% and 5% (weight/weight).

6. Composition as claimed in claims 1-5, wherein the compound able to synergistically enhance the activity of the active principle is chosen from piperonyl butoxide and sesamol.

20 7. Composition as claimed in claims 1-6, wherein the quantity of synergistic compound relative to cyclodextrin is between 10 and 100% (weight/ weight).

8. Composition as claimed in claims 1-7, wherein the quantity of insecticide relative to the synergistic compound is between 5% and 50% (weight/weight).

9. Composition as claimed in claims 1-8, comprising emulsifiers, UV stabilisers, antioxidants and other additives in a quantity between 0 and 30% (weight/weight).

25 10. Composition as claimed in claims 1-9, formulated for use in solid form or as a solid/oil composition, possibly dissolved/emulsified in water or in aqueous solutions of water miscible solvents.

11. Process for preparing compositions described in claims 1-10, characterised by simultaneously complexing the synergistic compound and the insecticide and/or
30 growth regulator in cyclodextrin.

12. Process as claimed in claim 11, comprising the following passages:

(a) preparing a solution or suspension of the synergistic compound and the

insecticide and/or growth regulator in a suitable solvent;

(b) preparing a solution of cyclodextrin in water or in aqueous mixtures of water miscible organic solvents;

(c) adding the solution/suspension obtained in (a) to the solution obtained in (b).

5 13. Insecticidal composition comprising:

(i) an active principle consisting of a component with insecticidal activity and/or a component with insect growth regulator activity and

(ii) a component able to synergistically enhance the activity of the active principle, obtainable by subjecting both components (i) and (ii) to simultaneous complexing
10 with cyclodextrin.

14. Use of a composition as claimed in claims 1-11 and 13, as an insecticide in agriculture, or for eliminating household insects.

15. Use of a composition as claimed in claims 1-11 and 13, in preparing a veterinary formulation of use as an insecticide.